

# **Diesel Exhaust After-Treatment Devices**

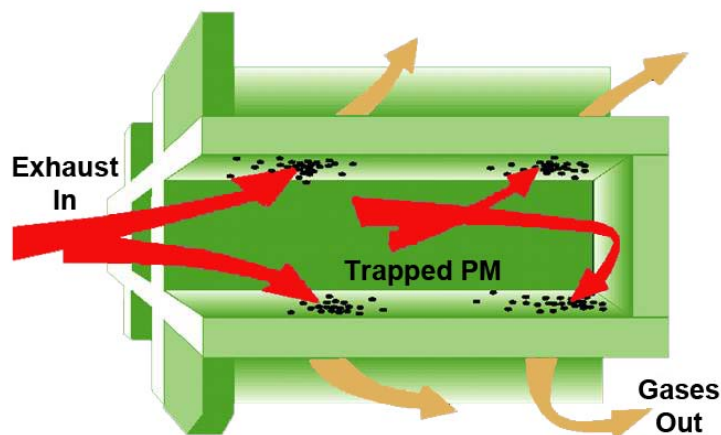
Diesel exhaust after-treatment devices including diesel particulate filter (DPF) technology are in the forefront of California's Diesel Risk Reduction Program. Retrofit DPF's has been verified by ARB to effectively reduce diesel emissions from diesel-fueled internal combustion engines by at least 85% and original equipment manufactured devices help achieve the 0.01 gram per brake horsepower particulate matter (PM) on-road standard. This course discusses diesel particulate matter and their health effects; diesel engine PM and NO<sub>x</sub> production and control strategies; DPF theory, operation, construction, and application; as well as regulations requiring particulate filters. Topics include: diesel oxidation catalysts, continually regenerating traps, NO<sub>x</sub> catalysts, ammonia slip, selective catalytic reduction, NO<sub>x</sub> adsorber catalysts in addition to passive, active, online and offline regenerating strategies. **Also included in the course is an optional field trip on February 4th to see real applications of DPFs at a representative facility to be announced at time of class.**

**February 3, 2010**

**8:30 AM - 5:00 PM**

**(Feb 4 - Optional Field Trip)**

San Diego Air Pollution Control District  
10124 Old Grove Road  
San Diego, CA 92131  
(858) 586-2600



REGISTER ONLINE: <http://www.arb.ca.gov/training/registration/registration.php>

Course Web page: <http://www.arb.ca.gov/training/courses.htm>

Registration Information: [arbtrain@arb.ca.gov](mailto:arbtrain@arb.ca.gov)